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AK103805.q MRFVGAIGSSSVVORRATIP VHRLLALKKINNF EKEKRKQLMERMRTCEA CCHYLIVFVGQAFpdsGQSLALEVMGQ GSLANVTKHKK STPEVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn LKGGAKTDFGVSAQIdn
15242705.p MHIFGAIIGSSSVVORRATIP VHRLLALKKINNF EREKRKQLMERTCEAP CCBGLVDSLEHGFYpdsGQSLALEVMGQ GSLADILKVKK KIPBEPVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn LKGGAKTDFGVSAQIdn
AK059461.q LEMTLOVIGKSGGCVLVRHKW VQDLFALKKIQMNI QEAVRKQVQVEELKNOATQ NAHVLVGHOSFY -hngvlyllevmYDR GSLADILKVKK TIBEPVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn RkGQVKTDFGVSAVLas
15241264.p LEIVKVIKSGGCVLVRHKW VQDFEAMKVIQNI QBEIRKQVQVEELKNOASS CQPHVVVCSHSFY -hngafsvlveYDR GSLADVIRQV TIBEPVPLAAMQKVLGGLVYLHNER HVHRDIKBSNLLVnHk GBVKTDFGVSAVLas
15233715.p LDMVKVTKSSGCVLVRHKW TQDFEALKVIQNI DEAIRKQAQVEELKNOASS CQNLVTSYHSFY -dngafsvlveYDR GSLADILKSVKA TIBEPVPLAAMQKVLGGLVYLHNR HLVHRDIKBSNLLVnHr GBVKTDFGVSAVLas
30687096.p LEVVKVTKSSGCVLVRHKW TQDFEALKVIQNI EESTCRASQVEELKNOASS CQYLVSQHSFY -hnglvslllevmYDR GSLADLLKQVQ KVPENMLSAIQCKRVLRLGLCYTHNER RIHRDIKBSNLLVnHr GBVKTDFGVSAVLas
15236108.p LEVVKVTKSSGCVLVRHKW TQDFEALKVIQNI EESTCRASQVEELKNOASS CQYLVSQHSFY -hnglvslllevmYDR GSLADLLKQVQ KVPENMLSAIQCKRVLRLGLCYTHNER RIHRDIKBSNLLVnHr GBVKTDFGVSAVLas
24700018.q LERVRRIGSGAGGTVVVRHRP TCRFYALKVLYGNH DDVRRQITRETAITRTAE HPAVVRCHDMVE -qagelqilleYMGQ GSEGGRRIA SRAFLADVARQVLSGTAHLHRR HLVHRDIKBSNLLVn SgRRVKIADFVGRILnq
AK099769.q LERVRRIGSGAGGTVVVRHRP TCRFYALKVLYGNH DDVRRQITRETAITRTAE HPAVVRCHDMVE -rGGEQTLLEVMGQ GSDDRRIA DERELADVARQVLSGTAHLHRR HLVHRDIKBSNLLVn SaRRVKIADFVGRILnq
AK111112.q MELVCLVDSGAGGTVVVRHRP TCRFYALKVLYGNH WAAAAGGDAD -DDD HPSLVRCHGATrGqEEHRVLLLEHMRG GSEGGRRVA DERELADVARQVLSGTAHLHRR GVVEGDTIBSNLLVn SgRRVKIADFVGRILnq
15217998.p LVRNRIIGSGAGGTVVVRHRP TCRFYALKVLYGNH EETVRRQITRETAITRTAE HPSLVRCHGATrGqEEHRVLLLEHMRG GSEGGRRVA DERELADVARQVLSGTAHLHRR HLVHRDIKBSNLLVnSa KNVKIADFVGRILnq
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28680019.q FQVIGLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG gGREPEPAVAVRVRVGL -EHVVRCHAVRRC -eSRVAVF -EHRNG GSDRALRRRGG RGLPEPALAEVAARQVLSGTAHLHRSR GVVEGDTIBSNLLVn AdGNKTKDFDPDAKITp
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15223165.p LEKLSVLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG LNTVIVVEALIKRIE -SFLIKCYAVV -sLYDLCFVMEIMK GSDADLAAQVQ FSEPIVSSANRLLQGLVYLQ KM GIVHGDIBSNLLVn Inkk GBVKTDFGVSAVLas
38580004.q LEMLSVVRGAGGTVVVRHRP TQDAVAVKMRDDG aALREAGAHERVAAAP -dSPVVRCHGATrGqEEHRVLLLEHMRG GSEGGRRVA GALPEPALAEVAARQVLSGTAHLHRSR GVVEGDTIBSNLLVn HgGBVKIADFVGRILnq
15219482.p LEKLSVLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG pIFRQIMREMTIRRTID SPYVVKCHDMVE -hnglvslllevmYDR GSEGGRRVA TIBEPVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn SgRRVKIADFVGRILnq
15221060.p VEKRVHLRSGGTVVVRHRP TQDAVAVKMRDDG MsPAFRQIMREMTIRRTID SPYVVKCHDMVE -hnglvslllevmYDR GSEGGRRVA TIBEPVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn SgRRVKIADFVGRILnq
15230671.p LDRTEVLSGAGGTVVVRHRP TQDAVAVKMRDDG WDSSTLRTEIRRMVN SPYVVKCHDMVE -hnglvslllevmYDR GSEGGRRVA TIBEPVPLAAMQKVLGGLVYLHEVR HLVHRDIKBSNLLVn SgRRVKIADFVGRILnq
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31243237.i LEKLSVLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG VkPAIKKQVRELQIMHSCN SEYIVDFYGAFN -eNNDVIMCMEYADV GSDDRSRVFGP TRVDVGLKFAEATLGLVYLKAKH -EIMHRDIKBSNLLVnS GSKTKDFGVSAVLas
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18959214.m FERISELQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG KPAVRNQHIRELVLHECN SEYIVDFYGAFN -eNNDVIMCMEYADV GSDDRSRVFGP TRVDVGLKFAEATLGLVYLKAKH -EIMHRDIKBSNLLVnS GSKTKDFGVSAVLas
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13928886.m FERISELQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG KPAVRNQHIRELVLHECN SEYIVDFYGAFN -eNNDVIMCMEYADV GSDDRSRVFGP TRVDVGLKFAEATLGLVYLKAKH -EIMHRDIKBSNLLVnS GSKTKDFGVSAVLas
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39977159.y IVEVGLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG KPAVRNQHIRELVLHECN SEYIVDFYGAFN -eNNDVIMCMEYADV GSDDRSRVFGP TRVDVGLKFAEATLGLVYLKAKH -EIMHRDIKBSNLLVnS GSKTKDFGVSAVLas
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18858993.d LEKLDLQDCAAGCVVAKVLRGCG SFAVPAKTAHYCG KPAVRNQHIRELVLHECN SEYIVDFYGAFN -eNNDVIMCMEYADV GSDDRSRVFGP TRVDVGLKFAEATLGLVYLKAKH -EIMHRDIKBSNLLVnS GSKTKDFGVSAVLas
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22094081.m LVTLSELRGRAYGVYKVRHAQ SGTIMAVRRIRATVN TQEKRRLLMDLDINMRIVD CFYIVDFYALFR EGDVLCMBLMD TSLDKFYRKVLE KN-MKIFBDLGEIAVSVRAPEHLHSK LSVIHRDVKSSNVLIN KeGHVKMDFGHSYLV D

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39949107.y LripvwoKLTIVRSICARVDKR tCHVAVKIIDEES ADEVEDIDDEITAIISSEIQ SFYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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34576555.m FTKQERIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

34877690.m FTKQERIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

31981193.m FTKQERIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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34882233.m FTKQERIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

23593267.z enn YNDDD yED EDNLSVSKINIKYL s-KKNLSKINIKYKMCCE g-NNVVKYFSFV pPCYVIVCEVLE G-TYLDIYNYGRI SEDLLVHLDVNLGNYHNECSsa P-LTHRDIKPNIIVLS K-GIAKIDDFGSCPELan

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34881602.m FTKQERIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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15219212.p FSGDILIRGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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32422585.y YQLEKIKIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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19112815.y YTKLELIVGRSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

31200161.i YELNDVIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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17137464.f YELNDVIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

17566096.w YKLDSEVIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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8394347.m YELQEVIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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83515282.q YELFEVEIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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83600130.q YRLLQITIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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31226391.i LKVLAKCFNLQVFLRQHL p-GRQVAVKFLVED tGRQVAVKFLVED LKNDISYVMDBAKREDF BNLLCYHVFVH HLLDVFVFLMICY G-GRDVMANYFETG FEPFLVLRDRLDQLGLYLHWK GYHRSRASHVNE TRAVLQFRVSHSLG EG

17556102.w YDCVRYMGTGNGCYLYGRERKK LKDVAIKIIDEES tLKDVAIKIIDEES SNEVTVFQEGELVSKLFS BNIVVRAITAFIA DNEI VYSPFMAI GSAKLLITDFMFDG MSELTAIAIDQVLRKALDYLHM GYVHRSKASHILISTD GOVKLADFVSAQLSA

33414519.m YELFEVEIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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25152971.w YQLEVEVIGSFGVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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38087416.m FSDLEIGHSGFQVYKAVDVE tSKVIAIKIIDEES TKDQETITAIISVSTCA SSYVTKYGSYAK GABL IYMERCSG GSCADLMKPGI tGSEVIAHIREVLLKGLDYLHAD KGLHRDVKRANVLLAAN GOVKLADFVSAQLSA

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24642565.f LDHFNKIQEGSGTGYVCIATDKS TGRQVAVKMDDRKQ QRRELFNFNEVVMRDYH HNTVNEYSSFLV NDELVVMFEFLG CALTDIVTH SRMDEEIAHVCKQCLRALAYLHSQ GVVHRDIKSDSILLA AdGRVKLSDFGCAQV5Q

31201761.i LBNYTKIQEGSGTGYVCIATDKS TGRQVAVKMDDRKQ QRRELFNFNEVVMRDYH HNTVNEYSSFLV NDELVVMFEFLG CALTDIVTH SRMDEEIAHVCKQCLRALAYLHSQ GVVHRDIKSDSILLA SdGRVKLSDFGCAQV5Q

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27370300.m LDNFIKIQEGSGTGYVCIATEKH TGRQVAVKMDDRKQ QRRELFNFNEVVMRDYH HNVVDMYNSYLV GDEELVMEFLGQ GALTDIVTR TRMNEEIAHVCLSVLKLALSYLHNQ GVVHRDIKSDSILLT SdGRVKLSDFGCAQV5K

34858790.m LDNFIKIQEGSGTGYVCIATEKH TGRQVAVKMDDRKQ QRRELFNFNEVVMRDYH HNVVDMYNSYLV GDEELVMEFLGQ GALTDIVTH TRMNEEIAHVCLSVLKLALSYLHNQ GVVHRDIKSDSILLT SdGRVKLSDFGCAQV5K

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17864254.f YTKMEKIQQGASGTVYPALISS TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV SEELVVMVEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG LdG5VKLDDFGCAQV5P

24644586.f YTKMEKIQQGASGTVYPALISS TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV SEELVVMVEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG LdG5VKLDDFGCAQV5P

24644584.f YTKMEKIQQGASGTVYPALISS TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV SEELVVMVEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG LdG5VKLDDFGCAQV5P

25147910.w YRRVOKIQGASGTVYPALISS TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV SEELVVMVEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSR HVVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

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6679205.m YTRLEKIQQGASGTVYPALDIA TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDVGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

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PAK2.h YTRFEKIQQGASGTVYFPAIDVA LQGBVAIKINLQKQ FKKEELINEIDVMKELK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDGAGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MeG5VKLDDFGCAQV5P

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34863126.m YTRFEKIQQGASGTVYFPAIDVT TQMBVAIKOMNSQQ LKRELVINEIDVMRGNK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

8393901.m YTRFEKIQQGASGTVYFPAIDVA TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

1f3m_Paka YTRFEKIQQGASGTVYFPAIDVA TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

PAK1.h YTRFEKIQQGASGTVYFPAIDVA TQMBVAIKOMNSQQ FKKEELINEIDVMRENK HNVVNYLDSYLV GDEELVMEFLGQ GSLTDVVTE TQMDGGIAAVQREVLOALBFLHSN QVHRDIKSDNILLG MdG5VKLDDFGCAQV5P

9507155.m WEIIEGLDQAFKQVYKAKNKE TNVLAARVWIDIK SEEELEDVYVEIDILASCD HNVVNYLDSYLV ENNLILIEFCAG GAVDAVMLELDRP LDRSQIHWVCKQILBALNYLHDN KIHRDLKAGNILLFLD QDKLADFGVSAKNTIR

7106427.m WEIIEGLDQAFKQVYKAKNKE TNVLAARVWIDIK SEEELEDVYVEIDILASCD HNVVNYLDSYLV ENNLILIEFCAG GAVDAVMLELDRP LDRSQIHWVCKQILBALNYLHDN KIHRDLKAGNILLFLD QDKLADFGVSAKNTIR

SLK.h WEIIEGLDQAFKQVYKAKNKE TNVLAARVWIDIK SEEELEDVYVEIDILASCD HNVVNYLDSYLV ENNLILIEFCAG GAVDAVMLELDRG LDRSQIHWVCKQILBALNYLHDN KIHRDLKAGNILLFLD QDKLADFGVSAKNTIR

6678163.m WEIIEGLDQAFKQVYKAKNKE TQALAAAKVIEIK SEEELEDVYVEIDILATCD HNVVNYLDSYLV DDKLIMIEFCAG GAVDAVMLELDRG LDRSQIHWVCKQILBALNYLHGK RIHRDLKAGNILLFLD QDIRADFGVSAKNTL

LOK.h WEIIEGLDQAFKQVYKAKNKE TQALAAAKVIEIK SEEELEDVYVEIDILATCD HNVVNYLDSYLV DDKLIMIEFCAG GAVDAVMLELDRG LDRSQIHWVCKQILBALNYLHSH RIHRDLKAGNILLFLD QDIRADFGVSAKNTL

31211115.i WDMIEGLDQAFKQVYKAKNKE TQALAAAKVIEIK DEENLSDHMEIDILSEIK HNVVNYLDSYLV DDKLMLIEYCD GADSDIMLELDRP LDRSQIHWVCKQILBALNYLHKN KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

24762616.f WEMVLEGLDQAFKQVYKAKNKE OKRFAAACCIOLE DEENLSDHMEIDILSEIK HNVVNYLDSYLV DDKLMLIEYCD GADSDIMLELDRP LDRSQIHWVCKQILBALNYLHRR KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

24762614.f WEMVLEGLDQAFKQVYKAKNKE OKRFAAACCIOLE DEENLSDHMEIDILSEIK HNVVNYLDSYLV DDKLMLIEYCD GADSDIMLELDRP LDRSQIHWVCKQILBALNYLHRR KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

17550108.w WMLIEGLDQAFKQVYKAKNKE TQALAAAKVIEIK GEELEDVYVEIDILSECKG HNVVNYLDSYLV ENNLILIEFCAG GAVDAVMLELDRP LDRSQIHWVCKQILBALNYLHSH RIHRDLKAGNILLAMD GGVKADFGVSAKNTL

8393835.m MTHQPRVCRGSFQVHRMKDKQ TQFCQAVRVRE VFRBELVACAGLS SPRIVPEYQAVRE GPWVMDEMLEGQ GSLGOLIKQCC LDRSQIHWVCKQILBALNYLHSH RIHRDLKAGNILLAMD GGVKADFGVSAKNTL

34873920.m MTHQPRVCRGSFQVHRMKDKQ TQFCQAVRVRE VFRABELMACAGLT SPRIVPEYQAVRE GPWVMDEMLEGQ GSLGOLIKQCC LDRSQIHWVCKQILBALNYLHSH RIHRDLKAGNILLAMD GGVKADFGVSAKNTL

NIK.h ATHQRLRQVCRGSFQVHRMKDKQ TQFCQAVRVRE VFRABELMACAGLT SPRIVPEYQAVRE GPWVMDEMLEGQ GSLGOLIKQCC LDRSQIHWVCKQILBALNYLHSH RIHRDLKAGNILLAMD GGVKADFGVSAKNTL

6678798.m NIGSGQVFRGAFKQVYLAQDMK TKRQMAKQITFD QKQPSDVEIQACFR HNTVAEYVAVLW GDVDELMEMAGEGQ GSVLEKLSQCAP MRBEFIIHWVCKQILBALNYLHSH KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

16758708.m NIGSGQVFRGAFKQVYLAQDMK TKRQMAKQITFD QKQPSDVEIQACFR HNTVAEYVAVLW GDVDELMEMAGEGQ GSVLEKLSQCAP MRBEFIIHWVCKQILBALNYLHSH KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

COT.h NIGSGQVFRGAFKQVYLAQDMK TKRQMAKQITFD QKQPSDVEIQACFR HNTVAEYVAVLW GDVDELMEMAGEGQ GSVLEKLSQCAP MRBEFIIHWVCKQILBALNYLHSH KVHRDLKAGNILLAMD GGVKADFGVSAKNTL

AK099839.g YMLGDEIKQAYQVYKALDLE NQDSVAIKOVSHEN IPQEDLNTIMQEDILKKNLN HNVVNYLDSYLV CRSHLILIEYVEN GSPANLIKPNKF GPFPSIYAVYIAQLBGLVYLHEQ GVHRDIKSDNILLT KeGVKADFGVSAKNTL

15231270.p YMLGDEIKQAYQVYKALDLE NQDSVAIKOVSHEN IVQEDLNTIMQEDILKKNLN HNVVNYLDSYLV CRSHLILIEYVEN GSPANLIKPNKF GPFPSIYAVYIAQLBGLVYLHEQ GVHRDIKSDNILLT KeGVKADFGVSAKNTL

15231910.p YMLGDEIKQAYQVYKALDLE NQDSVAIKOVSHEN IQQEDLNTIMQEDILKKNLN HNVVNYLDSYLV CRSHLILIEYVEN GSPANLIKPNKF GPFPSIYAVYIAQLBGLVYLHEQ GVHRDIKSDNILLT KeGVKADFGVSAKNTL

6319328.y YHLKQVIRQSYQVYKALINKH TQDVAIKOVVYE NDEELNDIMASTILKKNLN HNVVNYLDSYLV KSYELVILLEYCAN GSRRLIFRSS TQLESENKSYVYIAQLBGLVYLHEG GVHRDIKSDNILLT AdNVKADFGVSAKNTL

39944178.y YRGLDQICQAFQSVYKAFNWG TQDVAIKOVVVD VPRSELRMEAEIDILKKNLH HNVVNYLDSYLV TSDCNILIEYCAN GSHSHORAYG KFPENLQVYVYIAQLBGLVYLHDQ GVHRDIKSDNILLT TTKdGVKADFGVSAKNTL

32412696.y YRGLDQICQAFQSVYKAFNWG TQDVAIKOVVVD VPRSELRMEAEIDILKKNLH HNVVNYLDSYLV YGSEVK TADCNILIEYCAN GSHSHORAYG KFPENLQVYVYIAQLBGLVYLHDQ GVHRDIKSDNILLT TTKdGVKADFGVSAKNTL

19113132.y IITLGDQICQAFQSVYKAFNWG TQDVAIKOVVVD NGEVAVKVVLDST MTKSLSLRMEAEIDILKKNLD HNVVNYLDSYLV CNDSLGILIEYCAN GSHSHORAYG KFPENLQVYVYIAQLBGLVYLHDQ GVHRDIKSDNILLT TTKdGVKADFGVSAKNTL

39975341.y WQGHFVQGGGTFQVYKALDLE TQDVAIKOVVVD NQDSVAIKOVSHEN HNVVNYLDSYLV KLIPTIAGAKDEMRVLESVD HNVVNYLDSYLV HRDVYIMEMECQ GSPASLBNFRG IEDBQVYVYIAQLBGLVYLHE I KVHRDIKSDNILLT DhnKVHRDIKSDNILLT gqrtlantq

32420127.y WQGHFVQGGGTFQVYKALDLE TQDVAIKOVVVD NQDSVAIKOVSHEN HNVVNYLDSYLV KLIPTIAGAKDEMRVLESVD HNVVNYLDSYLV HRDVYIMEMECQ GSPASLBNFRG IEDBQVYVYIAQLBGLVYLHE I KVHRDIKSDNILLT DhnKVHRDIKSDNILLT gqrtlantq

10383805.y WQRNFHCGGTFQVYKALDLE NQDSVAIKOVVVD NQDSVAIKOVSHEN HNVVNYLDSYLV KLIPTIAGAKDEMRVLESVD HNVVNYLDSYLV HRDVYIMEMECQ GSPASLBNFRG IEDBQVYVYIAQLBGLVYLHE I KVHRDIKSDNILLT DhnKVHRDIKSDNILLT gqrtlantq

6324358.y WQRNFHCGGTFQVYKALDLE NQDSVAIKOVVVD NQDSVAIKOVSHEN HNVVNYLDSYLV KLIPTIAGAKDEMRVLESVD HNVVNYLDSYLV HRDVYIMEMECQ GSPASLBNFRG IEDBQVYVYIAQLBGLVYLHE I KVHRDIKSDNILLT DhnKVHRDIKSDNILLT gqrtlantq

19114469.y WQGHFVRSQVYKALDLE TQDVAIKOVVVD TQDVAIKOVVVD NDEELNDIMASTILKKNLN HNVVNYLDSYLV HREKVIEMEMECQ GSPASLBNFRG IEDBQVYVYIAQLBGLVYLHE I KVHRDIKSDNILLT DhnKVHRDIKSDNILLT gqrtlantq

17505358.w WALLDHTASGSFQVHRAMDID SHRVAIAKVMRIRP ENNKAEIKVASEINIFRQLI HNVVNYLDSYLV GDSVILIEYCAN GTEERRCHG KMDLKVYRQVYVYIAQLBGLVYLHSH KIHRDIKSDNILLT DhrKVHRDIKSDNILLT TTKdGVKADFGVSAKNTL

17505356.w WALLDHTASGSFQVHRAMDID SHRVAIAKVMRIRP ENNKAEIKVASEINIFRQLI HNVVNYLDSYLV GDSVILIEYCAN GTEERRCHG KMDLKVYRQVYVYIAQLBGLVYLHSH KIHRDIKSDNILLT DhrKVHRDIKSDNILLT TTKdGVKADFGVSAKNTL

31207237.i QTSNDQICQAFQSVYKALDLE TQELMAMKIRFQP GETAARLKVASEINIFRQEGIS HNVVNYLDSYLV HREBELIEMLCEPE GTEESLVBNGG NLPBALTRRFIAQOALSQVSELH KH GVHRDIKSDNILLT DgsNSKLQDFGSAKNTL

24648048.f WIRGKIQQGAFKQVYKALDLE TQELMAMKIRFQP GETAARLKVASEINIFRQEGIS HNVVNYLDSYLV HREBELIEMLCEPE GTEESLVBNGG NLPBALTRRFIAQOALSQVSELH KH GVHRDIKSDNILLT DgsNSKLQDFGSAKNTL

24648046.f WIRGKIQQGAFKQVYKALDLE TQELMAMKIRFQP GETAARLKVASEINIFRQEGIS HNVVNYLDSYLV HREBELIEMLCEPE GTEESLVBNGG NLPBALTRRFIAQOALSQVSELH KH GVHRDIKSDNILLT DgsNSKLQDFGSAKNTL

MAP3K4.h WQRNKIQEGCYQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

34853779.m WQRNKIQEGCYQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

6754630.m WQRNKIQEGCYQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

38073358.m WIKGBILQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

34879709.m WIKGBILQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

MAP3K8.h WIKGBILQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

MAP3K7.h NGDRVVLKQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

6678796.m NGDRVVLKQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

MAP3K5.h NGDRVVLKQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

MAP3K6.h TGERVILVQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

33186928.m TGERVILVQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

34871782.m TGERVILVQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

31204665.i EQQRILLQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

24648284.f QNRKMLQVYKALDLE TQELMAMKIRFQP NDHKTIKETADELKFEGIK HNVVNYLDSYLV HREEMVIEYCEDE GTEBEVSRG LQSHVIRLYSKQITVAINVLEHEH GVHRDIKSDNILLT DgsGVKADFGVSAKNTL

32563802.w SNREVLLKChYGVYAAARDMD TQRQIVRVREIWK YDEVEVDFMPBETSLHSTLC BANIVYMLGCDLVGSDHFLIEMEVG GSISSLRSKW GPMENAMNYKQILEGLKYLHEL KIVHRDIDSNVLVNTYS GVCKISDFGICRRLag
AK103087.q WRKGDLLGSAFSGVFLGMDLD SGEELAVKOVILGSSna treKaQGHIREBEVRLKKNLS HENIVRYLQIVR eENSNLILLEVFG GSISSLRLRFG SFPBAYIRRYKQILGLEYLHRN GIITHRDICANTILVd NkcCHKADDFGASQVek
48880002.q WRKGBLLGSAFQVYVGLMNL TDSELLAVKOVILGSSma treKaQAHIREBEVRLKKNLS HENIVRYLQIVR eEDTNLILLEVFG GSISSLRLKFG SFPBAYIRRYKQILGLEYLHRN AIITHRDICANTILVd NkcCHKADDFGASQVek
15230612.p WRKGBLLGSAFQVYVGLMNL TDSELLAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eSDSNLILMEVFG GSISSLRLKFG SFPBAYIRRYKQILGLEYLHRN GIIMHRDIDCANILVdnk GCHKADDFGASQVek
15221948.p WRKQGLIQRGAFOVYVGMNL TDSELLAVKOVILGSSna ekeKtQAHIREBEVRLKKNLS HENIVRYLQIVR eEDTNLILLEVFG GSISSLRLKFG SFPBAYIRRYKQILGLEYLHRN AIIMHRDIDCANILVdnk GCHKADDFGASQVek
30680907.p WRKQGLIQRGAFOVYVGMNL TDSELLAVKOVILGSSna ekeKtQAHIREBEVRLKKNLS HENIVRYLQIVR eEDTNLILLEVFG GSISSLRLKFG SFPBAYIRRYKQILGLEYLHRN AIIMHRDIDCANILVdnk GCHKADDFGASQVek
33859656.m WLKGGQITLQAFSSCYQADVG TQELMAVKOVIVRnt sseQEEVVAARBEIRMMSHLN HENIRMLGATC eKSNYLFIE MAG GSVABHLKSKYA FKESVVINYTEOLLRGLSYLHN GIITHRDVRCANLILDStg QRLRIADFGAARLas
16758760.m WLKGGQITLQAFSSCYQADVG TQELMAVKOVIVRnt sseQEEVVAARBEIRMMSHLN HENIRMLGATC eKSNYLFIE MAG GSVABHLKSKYA FKESVVINYTEOLLRGLSYLHN GIITHRDVRCANLILDStg QRLRIADFGAARLas
MAP3K1.h WLKGGQITLQAFSSCYQADVG TQELMAVKOVIVRnt sseQEEVVAARBEIRMMSHLN HENIRMLGATC eKSNYLFIE MAG GSVABHLKSKYA FKESVVINYTEOLLRGLSYLHN GIITHRDVRCANLILDStg QRLRIADFGAARLas
34873993.m WRRGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVSALBEETLLKKNLQ HERIVYVYGLDRdrAKIILFEMEYMG GSVKDKLAKYGA LDESVTIRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
33468949.m WRRGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVSALBEETLLKKNLQ HERIVYVYGLDRdrAKIILFEMEYMG GSVKDKLAKYGA LDESVTIRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
MAP3K3.h WRRGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVSALBEETLLKKNLQ HERIVYVYGLDRdrAKIILFEMEYMG GSVKDKLAKYGA LDESVTIRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
6754628.m WRLGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVNAHEEETLLKKNLL HERIVYVYGLDRdpEKTILFEMEYMG GSIKDLAKYGA LDEVNTRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
34878676.m WRLGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVNAHEEETLLKKNLL HERIVYVYGLDRdpEKTILFEMEYMG GSIKDLAKYGA LDEVNTRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
MAP3K2.h WRLGKLLQGAFOVYVLCYDVD TQRELAASKOVDFDd spEtSKEVNAHEEETLLKKNLL HERIVYVYGLDRdpEKTILFEMEYMG GSIKDLAKYGA LDEVNTRKYTRQILGMSYLHNS MIVHRDIDCANILRDSa GNVKLDGFCASRLqt
39976873.y WMKGALIGSFGCVYVLAALHAI TQELLAVKOVEAPSpqansqndarkKSMIEBAKRETSILRDLR HENIVYMLGCGS sAEYNDLELEVFG GSVQMLNSYGA LDESVTIRSFVROILGLEYLHRN EITHRDIDCANILVdnk GIKISDFGICRRLag tnl
32411113.y WMKGALIGSFGCVYVLAALHAI TQELLAVKOVEAPSpqansqndarkKSMIEBAKRETSILRDLR HENIVYMLGCGS sAEYNDLELEVFG GSVQMLNSYGA LDESVTIRSFVROILGLEYLHRN EITHRDIDCANILVdnk GIKISDFGICRRLag tnl
6323394.y WLKGCALIGSFGCVYVLAALHAI TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
19112506.y WLKGCALIGSFGCVYVLAALHAI TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
39973941.y WFKGGLIKGQIVRYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
32421133.y WFKGGLIKGQIVRYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK110115.y WFKGGLIKGQIVRYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
6322366.y WMKGEMIKSFGCVYVLAALHAI TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
19113917.y WMKGEMIKSFGCVYVLAALHAI TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK069889.q WOKGRLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK068541.q WOKGRLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
18425121.p WKKGLIQRGAFOVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
15222512.p WKKGLIQRGAFOVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK065413.q WKKGLIQRGAFOVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK073040.q WKKGLIQRGAFOVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
6979318e.q WKKGLIQRGAFOVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
30695537.p WKKGFLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
18404528.p WKKGFLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
24410013.p WKKGFLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
AK068725.q WKKGFLLGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
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83504661.q LRRVRTLQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
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43720018.q LTRVRTLQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
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73700011.q WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
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15227689.p WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
15220416.p WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
15225692.p WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
15240456.p WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt
15236903.p WRRGKILQRGSAFQVYVGLMNL TQELMAVKOVILGSSna ekeKtQGHIREBEVRLKKNLS HENIVRYLQIVR eEGGNLILLEVFG GSVSMNLNYPG FBSLITNFNQILGLEYLHRN NITHRDIDCANILIDIK GCVKIDDFGASRLqt

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

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15241264.p smgqRDTSVGTIVYMSPERLRSG STY DYSSDI SLGMSVLECATG RFPYLPSEEDQ QNPPSVYBELL AAVVENPPTTAPSDQFSEFCFVSAQLOK DPAPERS SLDLHSHFPI

15233715.p tagLANTSVGTIVYMSPERLRVGN KY QNKSDI SLGLVILECATG KFPYVNVNE ETVTSVYBELL EAVVDQPPPALPBGNEPELSEFISTCLOK DPNRSRS AKQLMHPPI

30687096.p tsslANSVGTIVYMSPERLRSG SLY SNKSDI SLGLVILECATG KFPYVNVNE KGWSSVYELV DAIVENPPPCASNLSEFCFSCVOK DPNRSRS AKQLMHPPI

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15232491.p tmdpCNSVGTIVYMSPERLRNTD LNHGRYD GYAGDV SLGVSILEFVYMG RFPYFVSR QGDWASLMCA ICMSPPEAPATASEPFSFISCCLOK NPAKRRS AAQLLQHRFV

21870019.q rrrggehraAYEYETAAYMSPERDSE LHGDGADFPADV SLGVTVLELMA RYPLLPAGQ KPSWAALMCA ICFYELPLPDAASAEPLFLAACLOK NPAKRRS AAQLLQHRFV

26800007.q gagerlrVFAAASSTAYLSPERFEPN AHAGFRGCAADV ALGVTVLELFLRCPIILVGE RPSWERLKKA ICdGEPAPLPSAASAEPLRFVASCLOK DPNRRAT VAQLLHSHFPI

28680019.q gpgstvysGIGFSPSPERCAFM AMAGARVARADV SLGTVLELFLRCPIILVGE RPSWERLKKA HGEPSPVDETRASAEPLRFVASCLOK CVCTRAT VABLLHSHFPI

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15223165.p ggDYNGSNTCAVMSPERDLEKWFQG GEV GFACDV SLGVVILECYIC RYPLTKVGD KPDWALFCA ICNKKVDFVSCLEFDFVASCLOK DWKRRAT VEBLLHSHFPI

38580004.q rdeaAHQSPGTWAYMSPERDHPG FGGGGADFSQDV SLGVVILECHAC RFPYLAAGE RPDWALVLA VCFEAPAEVFAASAEPLRFVASCLOK DWKRRAT VEBLLHSHFPI

15219482.p sldsCNSVGTIVYMSPERDSESSGGG SD IYAGDI SFGLTILELYTC HFPLLPQGO RPDWALMCA VCFGEPPRAPEGQSEEFVVECCLOK DSKRRAT ABQLLHSHFPI

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15230671.p slnkCNSVGTIVYMSPERDSEADGVTEEDKSNV YAGDI SFGLTILELYTC HFPLLPQGO RPDWALMCA VCFGEPPRAPEGQSEEFVVECCLOK DSKRRAT ABQLLHSHFPI

39974107.y siADTSVGTIVYMSPERLRQG EKY TVKSDV SFGLTILELYTC HFPLLPQGO RPDWALMCA DLIQIVHEPARKLPSKSDAEPLRFVASCLOK NPNRPT PBEFLDHPPI

32406710.y svADTSVGTIVYMSPERLRQG DKY TVKSDV SFGLTILELYTC HFPLLPQGO RPDWALMCA DLIQIVHEPARKLPSKSDAEPLRFVASCLOK NPNRPT PBEFLDHPPI

6320042.y siADTSVGTIVYMSPERLRQNV Y SIKSDV SLGLTILELYTC HFPLLPQGO RPDWALMCA NEPSRRLKDRIRYSEKMTDFVNRCCLOK NERERS IHELLHSHFPI

19113938.y svAGTSVGTIVYMSPERLRQG GKY TVKSDI SLGTSILELATO ELPNFSNID DSEGLDHLH CIVGEPPLRPSSEEDLRFVASCLOK DPILRAS POOLCAMFPI

17508425.w smaNSVGTIVYMSPERLRQG SHY TISSDI SFGLSILELATO RYVPPASQ AEXATVFAA ENeIeladsleepnyhpsnpsmaifemdyIVNPPPTLKRREDFVFNKVCLOK LPSEAT LKSHADHPI

31243237.i smaNSVGTIVYMSPERLRQG THY SVQSDI SLGTSILELATO RYVPPASQ AEXATVFAA GEdCspgsqsiiepkmaifemdyIVNPPPKLENSDFDKFNVDICLOK NPERAD LKTLHSHFPI

17737298.f smaNSVGTIVYMSPERLRQG THY SVQSDI SLGTSILELATO RYVPPASQ AEXATVFAA DNaeesgqptdepramaifemdyIVNPPPKLENSDFDKFNVDICLOK QDERAD LKTLHSHFPI

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6678794.m smaNSVGTIVYMSPERLRQG THY SVQSDI SMGLSILELATO RYVPPASQ AEXATVFAA VEGDaaetpprpprtpgrlpsvghgmdsrpamaifemdyIVNPPPKLPSGVSEDFVFNKVCLOK NPERAD LKTLHSHFPI

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32411587.y ngaANTTSVGTIVYMSPERLRQG QSY TITSDV SLGVVILEVAGH RFPYADGTEMAPRAGIDLHL TYivrqpVPLKDEPDAISSEKMYFTECCLOK DPNRRAS PWRMLHSHFPI

6324805.y siATNTTSVGTIVYMSPERLRQG QPY SVTQDV SLGTLILEVAGG RFPYESSDKITQAPTELTMLL MWiltfCPYLDKDEPESNITLSEKFSFYDCLOK DSKRRPS PROMIHPPI

6325117.y siAMTTSVGTIVYMSPERLRQG QPY SVTQDV SLGTLILEVAGG RFPYESSDKITQAPTELTMLL TFSpQLKDEPELDSSEKFSFYDCLOK DAREPS PROMIHPPI

19113587.y siAGTTSVGTIVYMSPERLRSG GSY TISSDI SLGTLIMEVALN RFPYEPGSPMPLELTYIIT NMppLPLQPEPGLIKSSTQSFVDCLOK DKTRRP PCKMLHSHFPI

6754624.m siAKTVGTIVYMSPERLRQG EQY GIHSDV SLGTSILELATO RFPYQIQKN QGSLMLLQHL CCIVDPSVPLVLFGESEFVFRITCLOK QPKRPA PBEMLHSHFPI

8393746.m siAKTVGTIVYMSPERLRSG EQY GIHSDV SLGTSILELATO RFPYQIQKN QGSLMLLQHL DEDSPVPLVLFGESEFVFRITCLOK QPKRPA PBEMLHSHFPI

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39969315.y siAKTNTICQSYMAPERSGGGFAQQGADTY NVQSDI SLGTLITECAMG RYVPPPEVSS TIFSOISAIY EGDPPPLPSEGSYGAADFVASCLOK IPAKRBT YPMLHSHFPI

32408571.y siAKTNTICQSYMAPERSGGGFAQQGADTY NVQSDI SLGTLITECAMG RYVPPPEVSS TIFSOISAIY EGDPPPLPSEGSYGAADFVASCLOK IPAKRBT YPMLHSHFPI

6322333.y siAKTNTICQSYMAPERSKSLNPDRA TY TVQSDI SLGTSILEMAG RYVPPPE TYNIFSOIS AIYDPPPPPLPSDGSDDADFVASCLOK IPERRPT YAALHSHFPI

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17568593.w SMAHKSACCPHYMAPERTIET nSKY DVRSDV SLGTLVLELATO LYRPELN DMEFTLTIHAN LNLPSPLREETKRSEFPLFEFLDCLORQ DVREPE YRQLMKHSHFPI

17567469.w siAVS-DTCCQYAPLHVKGVS nsPGY SIKSDI SLGTLILELATO RYVPEVG FSEFTLSAIVT TPAPYERVTFSNN DEPPRLDPAKESDQCOLVESCLORQ DPTMPN YDMLHSHFPI

25146649.w sRAHKSACCPHYMAPERTDNN fDSY DVRSDV SLGTLVLELATO LYRPELN DMEFTLTIHAN SEPPCLPYGEGYNSQCFDFVASCLOK NHQDRPK YPELLAQHPI

24641666.f SKANTRSA CAAYMAPERDPPK PKY DIRADV SLGTLVLELATO RYVPEGC NIDFEVTKVLD DEPPRLDPAKESDQCOLVESCLORQ DPTMPN YDMLHSHFPI

24641662.f SKANTRSA CAAYMAPERDPPK PKY DIRADV SLGTLVLELATO RYVPEGC NIDFEVTKVLD SEPPCLPYGEGYNSQCFDFVASCLOK NHQDRPK YPELLAQHPI

31241537.i sNARTRSA CAAYMAPERDPPK TVY DIRADV SLGTLVLELATO RYVPEGC NIDFEVTKVLD SNPRPLPEDONSPEFDFVASCLOK DYQRPK YPDLHSHFPI

6754626.m sKAKTRSA CAAYMAPERDPPD tkDY DIRADV SLGTSILELATO RFPYKNC KIDFEVTKVLD PEPPLPLPSDGSDDADFVASCLOK DHRKRPK YNKLEHSHFPI

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34871580.m siAKTRDA CRHYMAPERDPSAS rQGY DVRSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

22095023.m siAKTRDA CRHYMAPERDPSAS rQGY DVRSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

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17137538.f siAKTRDA CRHYMAPERDPER aKGY DVRSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

31210599.i siAKTRDA CRHYMAPERDPPK aKGY DVRSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

25146909.w sVAQSDV CRHYMAPERDPPK DGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

25146912.w sVAQSDV CRHYMAPERDPPK DGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

25146880.w sMAKTVQACRHYMAPERDGGT kSAN DVRAVD SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

31203729.i sVAKTIDA CRHYMAPERDPSG strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

17137200.f siAKTIDA CRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

18858993.d sVAKTIDA CRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

33859654.m sVAKTIDA CRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

16758520.m sVAKTIDA CRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

MAP2K6.h sVAKTIDA CRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

34870816.m sVAKTMDACRHYMAPERDPPGQ strAGY DIKSDV SLGTLVLELATO RFPYKWK NSVFDOLTQVVK GDDPILLHPSDDFVASCLOK DHRKRPK YDMLHSHFPI

22094081.m ----SVAKTMDA⁵CKHYMAPERRINPELn ----QKG⁵NWKS⁵SDV⁵SLGITMTIEMAIL⁵RFPY⁵ESW⁵ ----GTFP⁵QOLK⁵QV⁵VE⁵ ----EPSP⁵QLPAD⁵QSP⁵EFVDF⁵NSC⁵CL⁵RK⁵ ----NPA⁵ERMS⁵ ----YL⁵EL⁵ME⁵HP⁵PF⁵
MAP2K3.h ----SVAKTMDA⁵CKHYMAPERRINPELn ----QKG⁵NWKS⁵SDV⁵SLGITMTIEMAIL⁵RFPY⁵ESW⁵ ----GTFP⁵QOLK⁵QV⁵VE⁵ ----EPSP⁵QLPAD⁵QSP⁵EFVDF⁵NSC⁵CL⁵RK⁵ ----NPA⁵ERMS⁵ ----YL⁵EL⁵ME⁵HP⁵PF⁵
39949107.y ----TMIK⁵KN⁵TS⁵VT⁵TP⁵MAP⁵EV⁵LK⁵Q ----SGY⁵DK⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PPY⁵ADI⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KN⁵PP⁵RL⁵BG⁵NS⁵Y⁵TK⁵AF⁵KDF⁵FI⁵EL⁵CL⁵OR ----DP⁵KR⁵PS ----AR⁵EL⁵LR⁵HP⁵EV⁵
32408943.y ----TMIK⁵KN⁵TS⁵VT⁵TP⁵MAP⁵EV⁵LK⁵Q ----SGY⁵DK⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PPY⁵ADI⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KN⁵PP⁵RL⁵BG⁵NS⁵Y⁵TK⁵AF⁵KDF⁵FI⁵EL⁵CL⁵OR ----DP⁵KR⁵PT ----AR⁵EL⁵LK⁵HP⁵FI⁵
32405646.y ----MKS⁵QR⁵NT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----AGY⁵DK⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PPY⁵ANI⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KN⁵PP⁵RL⁵BG⁵NS⁵Y⁵TK⁵AF⁵KDF⁵FI⁵EL⁵CL⁵OR ----DP⁵A⁵QR⁵PT ----AR⁵DL⁵LR⁵HR⁵FI⁵
6320731.y ----TL⁵K⁵RD⁵TS⁵VT⁵TP⁵MAP⁵EV⁵CC⁵EV ----DGY⁵NE⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵LP⁵LSKY⁵ ----DM⁵KV⁵MT⁵LI⁵P ----KR⁵K⁵PK⁵LG⁵QF⁵SD⁵AK⁵DF⁵VA⁵CL⁵WK ----TP⁵AD⁵RP⁵S ----AY⁵NL⁵LS⁵EF⁵EV⁵
19115429.y ----LR⁵KN⁵DD⁵VT⁵TP⁵MAP⁵EV⁵LK⁵Q ----TGY⁵NK⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PPY⁵SGI⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KH⁵SP⁵PS⁵LR⁵SK⁵SA⁵FR⁵DF⁵VS⁵CL⁵WK ----NPK⁵DR⁵AT ----AE⁵YL⁵SK⁵HK⁵FI⁵
AK110121.q ----NKS⁵RR⁵NT⁵SV⁵TP⁵MAP⁵EV⁵IR⁵Q ----AGY⁵DY⁵KADI⁵SLGIT⁵TAEM⁵AK⁵E⁵PP⁵LA⁵EY⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KAK⁵SP⁵TL⁵BG⁵NS⁵SA⁵FR⁵DF⁵VD⁵CL⁵LK ----DP⁵KL⁵HR⁵FI⁵ ----TK⁵BL⁵SH⁵RF⁵
19114476.y ----AAS⁵RR⁵NT⁵SV⁵TP⁵MAP⁵EV⁵LQ⁵ ----TSY⁵GL⁵ADI⁵SLGIT⁵TAEM⁵ANG⁵I⁵PP⁵RAT⁵M ----HM⁵RV⁵LF⁵LI⁵P ----QSE⁵BP⁵KL⁵DH⁵SP⁵TF⁵FR⁵DF⁵VS⁵COL⁵DL ----NPN⁵MR⁵MS ----AK⁵EL⁵LQ⁵HP⁵FI⁵
31234667.i ----TTS⁵KR⁵NT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SMY⁵DS⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵NS⁵EL⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KNN⁵PP⁵QL⁵TG⁵SY⁵TK⁵PF⁵KDF⁵VE⁵CL⁵NK ----DP⁵EN⁵RP⁵T ----AK⁵EL⁵LK⁵EP⁵FI⁵
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25153836.w ----VL⁵KANT⁵SV⁵TP⁵FF⁵MAP⁵EV⁵VK⁵Q ----EY⁵SI⁵EADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵H⁵SDL⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KN⁵PP⁵V⁵LQ⁵GS⁵Q⁵SK⁵PF⁵KE⁵FV⁵EM⁵CL⁵NK ----DP⁵EN⁵RP⁵S ----AS⁵TL⁵LKH⁵OF⁵FI⁵
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34576555.m ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵NS⁵DL⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵HS⁵SK⁵PF⁵KE⁵FV⁵EM⁵CL⁵NK ----DP⁵FR⁵RP⁵T ----AK⁵EL⁵LK⁵HK⁵FI⁵
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31981193.m ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵NS⁵DL⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵HS⁵SK⁵PF⁵KE⁵FV⁵EM⁵CL⁵NK ----DP⁵FR⁵RP⁵T ----AK⁵EL⁵LK⁵HK⁵FI⁵
YSK1.h ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵NS⁵DL⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵HS⁵SK⁵PF⁵KE⁵FV⁵EM⁵CL⁵NK ----DP⁵FR⁵RP⁵T ----AK⁵EL⁵LK⁵HK⁵FI⁵
34882233.m ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵H⁵SEL⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵SY⁵SR⁵PL⁵KE⁵FV⁵EM⁵CL⁵NK ----EP⁵S⁵FR⁵PT ----AK⁵EL⁵LK⁵HK⁵FI⁵
23593267.z ----sd⁵q⁵SK⁵EL⁵V⁵TH⁵Y⁵YS⁵PE⁵IL⁵MR ----TNV⁵DC⁵SDI⁵SLGIT⁵TAEL⁵V⁵LC⁵TL⁵PL⁵KRN⁵Q ----SF⁵NY⁵IK⁵TI⁵ ----NNS⁵SK⁵IN⁵IT⁵EG⁵YS⁵KHL⁵Y⁵VE⁵K⁵CK⁵Q ----KPN⁵EN⁵GN ----VK⁵DL⁵N⁵HK⁵FI⁵
34876075.m ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵H⁵SEL⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵SY⁵SR⁵PL⁵KE⁵FV⁵EM⁵CL⁵NK ----EP⁵S⁵FR⁵PT ----RI⁵CEL⁵SE⁵Y⁵
21703922.m ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵H⁵SEL⁵ ----HM⁵KV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵SY⁵SR⁵PL⁵KE⁵FV⁵EM⁵CL⁵NK ----EP⁵S⁵FR⁵PT ----AK⁵EL⁵LK⁵HK⁵FI⁵
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MST4.h ----TQ⁵IK⁵RT⁵SV⁵TP⁵MAP⁵EV⁵LK⁵Q ----SAY⁵DR⁵KADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵NS⁵DM⁵ ----HM⁵RV⁵LF⁵LI⁵P ----KNS⁵PP⁵TL⁵BG⁵SY⁵SR⁵PL⁵KE⁵FV⁵EM⁵CL⁵NK ----DP⁵S⁵FR⁵PT ----AK⁵EL⁵LK⁵HK⁵FI⁵
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39958894.y ----KFD⁵KR⁵TS⁵VT⁵TP⁵MAP⁵EL⁵FD⁵GS ----NSV⁵GTE⁵VDI⁵AF⁵GS⁵IV⁵ET⁵AS⁵LP⁵PNAL ----SG⁵ME⁵FO⁵Q⁵L ----GS⁵FV⁵KK⁵HS⁵PR⁵LE⁵GD⁵YS⁵QNL⁵K⁵DF⁵VA⁵CL⁵VD ----DPA⁵QR⁵PP ----TES⁵SH⁵QH⁵Y⁵VI⁵
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6321894.y ----TSL⁵RRC⁵T⁵MA⁵TP⁵MAP⁵EV⁵IR⁵MG⁵V ----YV⁵DI⁵K⁵VDI⁵SLGIT⁵TAEL⁵LAG⁵E⁵PP⁵Y⁵CDV⁵ ----EAL⁵RAM⁵OL⁵TI⁵ ----K⁵K⁵PP⁵RL⁵ED⁵QD⁵YS⁵SK⁵PF⁵KE⁵FV⁵SI⁵CL⁵DE ----DP⁵KR⁵US ----ADD⁵LL⁵K⁵SK⁵FI⁵
19112815.y ----NRR⁵KR⁵TS⁵VT⁵TP⁵MAP⁵EV⁵IR⁵MG⁵V ----QBY⁵NW⁵ADI⁵SLGIT⁵TAEL⁵LAG⁵E⁵SP⁵HAK⁵E ----DPR⁵AV⁵YL⁵IA ----HT⁵APP⁵RL⁵NG⁵FS⁵AL⁵IK⁵EF⁵SI⁵CL⁵OD ----VP⁵OR⁵LD⁵ ----QND⁵PP⁵TL⁵DT⁵GD⁵AD⁵ED⁵QY⁵KA⁵KT⁵FR⁵K⁵VE⁵CL⁵CK ----EP⁵IK⁵RP⁵T ----ASE⁵LL⁵K⁵HR⁵FI⁵
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30697816.p TMSKRNTSITGTHMAPEVIOE NRY DGRVDV ALGVSAIEMAEGLPPRSSV HMRVLFMISI EFAPMLLEDKKEKSLVDFVAKCLTK EPRLRPT AAEMLKHKFV
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31215765.i TMAKRNTWIGTFMAPEVIEE IGV DGVADI SLGITALEMAEGKPPYSDI HMRATFMIP TKPPPTFRKPEVSDDFVKKCLVK NPBERAT ATDLLEHFI
19922606.f TMAKRNTWIGTFMAPEVIEE IGV DGVADI SLGITALEMAEGKPPYSDI HMRATFMIP QKPPPTFRKPEVSDDFVKKCLVK EDDRAT ADELLEHFI
25151431.w TMAKRNTWIGTFMAPEVIEE IGV DTKADI SLGITALEMAEGRPPYSDI HMRATFMIP TKPPPTFRKPEVSDDFVKKCLVK NPBERAT ALRCEHFI
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13929032.m TMAKRNTWIGTFMAPEVIOE IGV NCVADI SLGITALEMAEGKPPYADI HMRATFMIP TNPPPTFRKPEVSDDFVKKCLVK SPEORAT ATQLLOHFI
9790103.m TMAKRNTWIGTFMAPEVIOE IGV NCVADI SLGITALEMAEGKPPYADI HMRATFMIP TNPPPTFRKPEVSDDFVKKCLVK SPEORAT ATQLLOHFI
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17566666.w TIGKRKRSITGTHMAPEVAVCEK rGGV GMQDVA ALGITATELCEC QPPLFDL HMQVLFMNT KSGYKPHLKDHRVDFVDFVRCCLVK NPCKRPS PEKLTGHFI
34855643.z TLARLRSITGTHMAPEVAAVAL kGGV NQLODI SLGITATELAEI QPPLFDV HPLRVLFMNT KSGYQPRRLKKEGKSSSDFNFVKVTLTK NSKKRPS AKMLSHQIV
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24582482.f TLGKRSTCISSPCMAPEVTVSSKs reFDI TVRADV ALGITATELAEI QPPLADL HMRALFQIP RNPPPTLRYQSNBVDYFRNFVDSCLCK NPDRBFI IMEVIEHFI
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22380641.m TRHRNTSITGTHMAPEVIAACEQ ldtTY DARQDV SLGITATELAEI QPPLAEI HMRALFQIP RNPPPKLRQPEVSDDFNFVKVTLTK DYEKRPT VSDLLKHFV
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31217074.i TIGRRNTSITGTHMAPEVIAACDEN rdATY DNRSDI SLGITALEMAES QPPLCDL HMRALFQIP RNPPPRMKSKKKSKKSFDFIDVVKV DYHORPY TEQLKHFV
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31217078.i TIGRRNTSITGTHMAPEVIAACDEN rdATY DNRSDI SLGITALEMAES QPPLCDL HMRALFQIP RNPPPRMKSKKKSKKSFDFIDVVKV DYHORPY TEQLKHFV
17569069.w TVGRNTSITGTHMAPEVIAACDES peATY DYSRDL SCGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
34875652.m TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDL SCGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
6679060.m TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDL SCGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
ZC1/HGK.h TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDL SCGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
34881569.m TNGRRNSITGTHMAPEVIAACDEG prRSY DY QPPEALCVLL REBALCVLL RNPPPRMKSKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
7305327.m TNGRRNSITGTHMAPEVIAACDEG prCSY DYSRSDV SVGITALEMAEG APPLCKL QPPEALCVLL REBALCVLL RNPPPRMKSKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
ZC4/NRK.h TNGRRNSITGTHMAPEVIAACDEG prRSY DYSRSDV SVGITALEMAEG APPLCNL QPPEALCVLL REBALCVLL RNPPPRMKSKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
28882060.m TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDI SLGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
7710058.m TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDI SLGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
34871052.m TVGRNTSITGTHMAPEVIAACDEN pdATY DYSRDI SLGITALEMAEG APPLCDM HMRALFQIP RNPPPKLRNKKKSKKSFDFIDVVKV DYHORPY TQALLRHFV
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38077770.m TVGRNTSITGTHMAPEVIAACDEN pdATY DRKSDL SLGITALEMAEG APPLCDM HMRALFQIP RNPPAPRLKSKKSKKSFDFIDVVKV NNGORPA TEOLMKHFV
ZC2/TNKH.h TVGRNTSITGTHMAPEVIAACDEN pdATY DRKSDL SLGITALEMAEG APPLCDM HMRALFQIP RNPPAPRLKSKKSKKSFDFIDVVKV NNGORPA TEOLMKHFV
19113418.y RINKRVNTSITGTHMAPEVVKQ NEV GIKVDI SLGITALEMAEG EPPYARE DFRALYELIAK NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
39976835.y SKSKRATVNTSITGTHMAPEVVKQ KEY GIKVDI SLGITALEMAEG EPPYARE EPLKALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
32403758.y AKSKRATVNTSITGTHMAPEVVKQ KEY GIKVDI SLGITALEMAEG EPPYARE EPLKALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
6324031.y KRKRATVNTSITGTHMAPEVVKQ KEY DGRQDV SLGITALEMAEG EPPYARE EPLKALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
6324459.y KRKRATVNTSITGTHMAPEVVKQ KEY DGRQDV SLGITALEMAEG EPPYARE EPLKALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
6321780.y LNLKRTVNTSITGTHMAPEVVR KEY GIKVDI SLGITALEMAEG EPPYARE TPLRALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
32405200.y AQSKRTVNTSITGTHMAPEVVR KEY GIKVDI SLGITALEMAEG EPPYARE TPLRALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
19113418.y NMIKRTVNTSITGTHMAPEVVR KEY GIKVDI SLGITALEMAEG EPPYARE TPLRALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
AK110076.q SQAKRTVNTSITGTHMAPEVVR KEY GIKVDI SLGITALEMAEG EPPYARE TPLRALYELIAT NGTPTLKNLVLSKELKAFSLVCLCV DVKSRAS ADELLEHFI
31241695.i DEKRQTVNTSITGTHMAPEVVR KQY GIKVDI SLGITALEMAEG QPPLNQ APRLALYELIAT NGRPDIKSWDKLSNDFLDRCLCV EVDRRAT ADELLEHFI
24647440.f DEKRQTVNTSITGTHMAPEVVR KQY GIKVDI SLGITALEMAEG QPPLNYE TPLRALYELIAT NGRPDIKSWDKLSNDFLDRCLCV EVDRRAT ADELLEHFI
24647442.f DEKRQTVNTSITGTHMAPEVVR KQY GIKVDI SLGITALEMAEG QPPLNYE TPLRALYELIAT NGRPDIKSWDKLSNDFLDRCLCV EVDRRAT ADELLEHFI
17537061.w GSKRDTVNTSITGTHMAPEVLR KQY NYKVDI SLGITALEMAEG EPPYARE TPLKATYELIAT NGRPEIKQDRILSSENFDRKCVV DQORAD TTELLRHFV
17558622.w EVRRRSITGTHMAPEVLR BQY DIRADI SLGITALEMAEG EPPYEND QPFOAMKRIRD EHEARFSRHKVSVLSELSHCLVK DVNKRWP AKDLRHFV
17558624.w EVRRRSITGTHMAPEVLR BQY DIRADI SLGITALEMAEG EPPYEND QPFOAMKRIRD EHEARFSRHKVSVLSELSHCLVK DVNKRWP AKDLRHFV

24642565.f ---ELFKRKSIVGTPTVMSPEVLSR LFP GBEVDI SLGIMVTEMVDC EPPFNE PFLQAMRRIRD MPPFNLNKNAHKVSPRLSFLDRMIVR DPAQRAT AAEILLAHDFPL
31201761.i ---ELFKRKSIVGTPTVMSPEVLSR LFP GBEVDI SLGIMVTEMVDC EPPFNE PFLQAMRRIRD MPPFKLNKSHKVSRLQNFDRMIVR DPAQRAT AAEILLAHDFPL
PAK6.h ---DVEFKRKSIVGTPTVMAPEVLSR SLY ATEVDI SLGIMVTEMVDC EPPFSD SPVQAMKRIRD SPFPKLNKSHKVSPTVDFLRRMIVR DPAQRAT ACCELLDHPFL
27370300.m ---EVEFKRKSIVGTPTVMAPEVLSR LFP GTEVDI SLGIMVTEMVDC EPPFNE PFLQAMRRIRD SLPPRVKDLHKVSSMIRGFLDLMIVR EPSQRAT ACCELLDHPFL
34858790.m ---EVEFKRKSIVGTPTVMAPEVLSR LFP GTEVDI SLGIMVTEMVDC EPPFNE PFLQAMRRIRD SLPPRVKDLHKVSSMIRGFLDLMIVR EPSQRAT ACCELLDHPFL
PAK5.h ---EVEFKRKSIVGTPTVMAPEVLSR LFP GTEVDI SLGIMVTEMVDC EPPFNE PFLQAMRRIRD SLPPRVKDLHKVSSMIRGFLDLMIVR EPSQRAT ACCELLDHPFL
2976556.m ---EVEFKRKSIVGTPTVMAPEVLSR LFP GBEVDI SLGIMVTEMVDC EPPFNE PFLKAMKMRIRD NLPPRLKNLHKASPSLKFGLDRLIVR DPAQRAT AAEILLKHPFL
29336032.m ---EVEFKRKSIVGTPTVMAPEVLSR LFP GBEVDI SLGIMVTEMVDC EPPFNE PFLKAMKMRIRD NLPPRLKNLHKASPSLKFGLDRLIVR DPAQRAT AAEILLKHPFL
PAK4.h ---EVEFKRKSIVGTPTVMAPEVLSR LFP GBEVDI SLGIMVTEMVDC EPPFNE PFLKAMKMRIRD NLPPRLKNLHKASPSLKFGLDRLIVR DPAQRAT AAEILLKHPFL
31205899.i ---EQSKRTIVGTPTVMAPEVVTR KQY GKVDL SLGIMATEMVEG EPPMNE NPLRALYLIAT HGKPELKEKDKLSSAFQDFLDCCEV DPAQRAT AAEILLKHPFL
17864254.f ---EQSKRTIVGTPTVMAPEVVTR KQY GKVDL SLGIMATEMVEG EPPMNE NPLRALYLIAT NGKPELKEKDKLSSAFQDFLDCCEV EVDRRAS AAEILLKHPFL
24644586.f ---EQSKRTIVGTPTVMAPEVVTR KQY GKVDL SLGIMATEMVEG EPPMNE NPLRALYLIAT NGKPELKEKDKLSSAFQDFLDCCEV EVDRRAS AAEILLKHPFL
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25147913.w ---EQSKRTIVGTPTVMAPEVVTR KQY GKVDL SLGIMATEMVEG EPPMNE NPLRALYLIAT NGKPELKEKDKLSSAFQDFLDCCEV EVDRRAS AAEILLKHPFL
6679205.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
9506947.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
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38080660.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
28493842.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
31543458.m ---EQSKRTIVGTPTVMAPEVVTR BAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
PAK2.h ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
6754978.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
34863126.m ---EQSKRTIVGTPTVMAPEVVTR KTC GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
8393901.m ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
1f3m_Paka ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
PAK1.h ---EQSKRTIVGTPTVMAPEVVTR KAY GKVDI SLGIMATEMVEG EPPMNE NPLRALYLIAT NGTPELQNERLSAVFRDFLNRCCEM DPAQRAT AAEILLKHPFL
9507155.m ---TIQRDSDIIGTPTVMAPEVVMCETS kdRPY DYKADV SLGITLIEMAEI EPPHHEL NPMRVLKIHA KSEPPTLAQPSR SGNFKDFLKKCEK NVDARWT TSOLLQHPFV
7106427.m ---TIQRDSDIIGTPTVMAPEVVMCETS kdRPY DYKADV SLGITLIEMAEI EPPHHEL NPMRVLKIHA KSEPPTLAQPSR SGNFKDFLKKCEK NVDARWT TSOLLQHPFV
SLK.h ---TIQRDSDIIGTPTVMAPEVVMCETS kdRPY DYKADV SLGITLIEMAEI EPPHHEL NPMRVLKIHA KSEPPTLAQPSR SGNFKDFLKKCEK NVDARWT TSOLLQHPFV
6678163.m ---TIQRDSDIIGTPTVMAPEVVMCETS kdRPY DYKADV SLGITLIEMAEI EPPHHEL NPMRVLKIHA KSDPPTLLTPSKV SVEFRDFLKIADDK NPETRPS AAEILLQHPFV
LOK.h ---TIQRDSDIIGTPTVMAPEVVMCETS kdRPY DYKADV SLGITLIEMAEI EPPHHEL NPMRVLKIHA KSDPPTLLTPSKV SVEFRDFLKIADDK NPETRPS AAEILLQHPFV
31211115.i ---TMQKIDSDIIGTPTVMAPELVLCETf rdNPY DRKVDI SLGITLIEMAEI EPPNSEM SPMRVLLKIQI KSEPPKLDQPSK SKBNDFLARAVK DPAQRAT TEVLMGLSFI
24762616.f ---TMQKIDSDIIGTPTVMAPELVLCETf rdNPY DRKVDI SLGITLIEMAEI EPPNSEM SPMRVLLKIQI KSEPPKLEQPSK SKBNDFLKKSVK DPAQRAT TDVLMQHAFI
24762614.f ---TMQKIDSDIIGTPTVMAPELVLCETf rdNPY DRKVDI SLGITLIEMAEI EPPNSEM SPMRVLLKIQI KSEPPKLEQPSK SKBNDFLKKSVK DPAQRAT TDVLMQHAFI
17550108.w ---ERKKDSDIIGTPTVMAPEVVMCETS kdQPY DCISDI SFGITLIEMAEI EPPSDV SVNRVHKVQ KSEPPTLQPSR SGNFKDFLKKCEK NVDARWT AAEIFKHQWF
8393835.m ---DGLGKSLITGDYIPGTPTVMAPEVVMG KPC DARVDI SECCMLHMLNG CHPATQY FRGFLCLKIHA SEPPPIREIPPSCAPLTAQAIQEGRLK SBPppvreibpsCAPLTAQAIQEGRLKEPIHRASAMELR RKVKRAL QEVGGLKSPW
34873920.m ---elilTAVAGDYIPGTPTVMAPEVVMG KPC DARVDI SECCMLHMLNG CHPATQY FRGFLCLKIHA SBPppvreibpsCAPLTAQAIQEGRLKEPIHRASAMELR RKVKRAL QEVGGLKSPW
NIK.h ---DGLGKSLITGDYIPGTPTVMAPEVVMG RSC DARVDI SECCMLHMLNG CHPATQY FRGFLCLKIHA SBPppvreibpsCAPLTAQAIQEGRLKEPIHRASAMELR RKVKRAL QEVGGLKSPW
6678798.m ---DVVFKDLRTEIYVMSPEVILC RGH STKADIYSLGATLIEMAEI EPPHHEL NPMRVLKIHA KQAPPLEIDADDCSGMRBELTEAER NPNHRPK AAEILLKHEAL
16758708.m ---DVVFKDLRTEIYVMSPEVILC RGH STKADIYSLGATLIEMAEI EPPHHEL NPMRVLKIHA KQAPPLEIDADDCSGMRBELTEAER NPNHRPK AAEILLKHEAL
COT.h ---DVVFKDLRTEIYVMSPEVILC RGH STKADIYSLGATLIEMAEI EPPHHEL NPMRVLKIHA KQAPPLEIDADDCSGMRBELTEAER NPNHRPK AAEILLKHEAL
AK099839.g ---adInTHSVVGTPTVMAPEVLEM SGV CAASDI SVGCVTIELTLC APPYDL QPFALEFRIV QDVHPPPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
15231270.p ---adInTHSVVGTPTVMAPEVLEM SGV CAASDI SVGCVTIELTLC VPPYDL QPFALEFRIV QDNPPPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
15231910.p ---adInTHSVVGTPTVMAPEVLEM SGV CAASDI SVGCVTIELTLC VPPYDL QPFALEFRIV QDDTPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
6319328.y ---ssALInTAGTPTVMAPEVILGN RGA STLSDI SLGATVTEMVDC EPPHHEL NPMRVLKIHA VEndtYPPSSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
39944178.y ---gpdkeAQVGTPTVMAPEIILQ SGV TSASDI SVGCVTIELTLC KPPYHL AAPALFAIV NDDHPPPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
32412696.y ---gpdkeAQVGTPTVMAPEIILQ SGV TSASDI SVGCVTIELTLC KPPYHL AAPALFAIV NDDHPPPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
19113132.y ---leDHSVGSPTVMAPEVILC VCA TIASDI SVGCVTIELTLC NPPYDL DPTSALFRMV KDEHPPPEINLSSEKDFVGLICOH DPKRLOK AKTLLDHPFI
39975341.y ---dlmsaaLkPKNSMTGPTVMAPEVTKGEN PGH FGADV SLGCVILEMATE RRPANLD NEWALMYVA QCNPPQLPEINLSSEKDFVGLICOH DPKRLOK AAEILLKHEAL
32420127.y ---vqdvastkPKNSMTGPTVMAPEVTKGEN AGH FGADV SLGCVILEMATE RRPANLD NEWALMYVA QCNPPQLPEINLSSEKDFVGLICOH DPKRLOK AAEILLKHEAL
10383805.y ---qdfgvetksLNEMMTGPTVMAPEVTKGEN KKK LGADDV ALGCVILEMATE RRPANLD NEWALMYVA AGripqLNEMMTAAQDFLRRCFVQ DPAQRAT AAEILLDHPFI
6324358.y ---kavknnaLLDMGTPTVMAPEVTKGTT KKK LGADDV ALGCVILEMATE RRPANLD NEWALMYVA AghTqgfTKDEVSSAGKFLERCLIQ NPSKRS AAEILLDHPFI
19114469.y ---vryediqpeQLHLATPTVMAPEIILGK KGD FGAMDI SLGCVILEMATE RRPANLD NEWALMYVA AMHTPSIPQNEKISSLARDFIECFER DPAQRAT AAEILLDHPFI
17505358.w ---sstvyyeFQTAATPTQFMAPETISYGEKDETTGSYSGY GRSVDI ALGATVVMNMTG KVPSEGO TRHOTAFLC FRKQKTYFDIADKR DDKRFEFDCCEFL LPNDRPT AAEILLDHPFI
17505356.w ---sstvyyeFQTAATPTQFMAPETISYGEKDETTGSYSGY GRSVDI ALGATVVMNMTG KVPSEGO TRHOTAFLC FRKQKTYFDIADKR DDKRFEFDCCEFL LPNDRPT AAEILLDHPFI
31207237.i ---httmageLKGyVGTQAYMAPVTRNNI BGH GRAADI SVGCVTIELTLC RPPHOFD SNFQIMFKVQ MGESPEINLSSEKDFVGLICOH DPKRLOK AAEILLDHPFI
24648048.f ---httvpeLQyVGTQAYMAPVTKINSND GH GRAADI SVGCVTIELTLC RPPHOFD SNFQIMFKVQ MGEKQAPAESLSQEGHDFIDCHOH DPKRLOK AAEILLDHPFI
24648046.f ---httvpeLQyVGTQAYMAPVTKINSND GH GRAADI SVGCVTIELTLC RPPHOFD SNFQIMFKVQ MGEKQAPAESLSQEGHDFIDCHOH DPKRLOK AAEILLDHPFI
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34853779.m ---naqtmpeVNSHLTAAYMAPVTRAK GEGH GRAADI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ MGHKPPPERLSPEKDFLSHCEB DPKIRWT AAEILLDHPFI
6754630.m ---naqtmpeVNSHLTAAYMAPVTRAK GEGH GRAADI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ MGHKPPPERLSPEKDFLSHCEB DPKIRWT AAEILLDHPFI
38073358.m ---glnghsdmLKMSTRPTVMAPEVINE SGY GKSDI SIGCTVEMATE RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
34879709.m ---glnghsdmLKMSTRPTVMAPEVINE SGY GKSDI SIGCTVEMATE RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
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MAP3K7.h ---vncpTEFTTGLQYMAPEIIDQGP RGY GKAAI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
6678796.m ---incpTEFTTGLQYMAPEIIDQGP RGY GKAAI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
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34871782.m ---tpcTEFTTGLQYMAPEIIDQGP RGY GKAAI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
31204665.i ---inpTEFTTGLQYMAPEIIDQGP RGY GKAAI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI
24648284.f ---inpTEFTTGLQYMAPEIIDQGP RGY GKAAI SLGCVTIELTLC RPPHOFD SNFQIMFKVQ AHRGLMPLPARFSEPAADFVRLCLT R AAEILLDHPFI

32563802.w ----lnpvtvetttllqymapevldhgg RGYGAPADTSLGCTVLEMATG RPPVEMQ NPQAMBRVQ ----MFKTHPPIPTEITEKORNFILKSCFLP EACDRPS AKDLQHPFI
AK103087.q ----lattAKMKGTPEVMAPEVIVG SGHDFPSADTSLGCTVLEMATG KIPPNQBI QEVSLIYVVG ----TTKSHPPPEHLSPEAKDFLKLCKLQK EPELRST ASDLLQHPV
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30680907.p ----kgtgaggefGQGLLTIATFMAPEVLRG QGYGRSCDVSLGCTVLEMATG KPPNAEKHS NPLALFKIA ----SATTAPSIPIHLSPEGLRDFVLRKCFEL QPDRPP SRELLKHPVF
33859656.m ----kgtgaggefGQGLLTIATFMAPEVLRG QGYGRSCDVSLGCTVLEMATG KPPNAEKHS NPLALFKIA ----SATTAPSIPIHLSPEGLRDFVLRKCFEL QPDRPP SRELLKHPVF
16758760.m ----kgtgaggefGQGLLTIATFMAPEVLRG QGYGRSCDVSLGCTVLEMATG KPPNAEKHS NPLALFKIA ----SATTAPSIPIHLSPEGLRDFVLRKCFEL QPDRPP SRELLKHPVF
MAP3K1.h ----kgtgaggefGQGLLTIATFMAPEVLRG QGYGRSCDVSLGCTVLEMATG KPPNAEKHS NPLALFKIA ----SATTAPSIPIHLSPEGLRDFVLRKCFEL QPDRPP SRELLKHPVF
34873993.m ----icmsgtgMRSVTGTPEVMSPEVIVG EGYGRKADVSLGCTVLEMATG KPPNAEY EAMAATFKIA ----TQPTNFQLPSHISEHGRDFLRRFV EARQPS ABELLQHPFA
33468949.m ----icmsgtgMRSVTGTPEVMSPEVIVG EGYGRKADVSLGCTVLEMATG KPPNAEY EAMAATFKIA ----TQPTNFQLPSHISEHGRDFLRRFV EARQPS ABELLQHPFA
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39976873.y lngannnkhrRSLSQGSVEVMAPEVVKQ TSYTRKADTSLGCTVLEMATG KHPPEDC TOLQATFKIG ----GGKATPTIPEDASTEARAFIAGTFEM DHNKRPS ADDLMGSPFL
32411113.y lngannnkhrRSLSQGSVEVMAPEVVKQ TSYTRKADTSLGCTVLEMATG KHPPEDC TOLQATFKIG ----GSKASPTIPDNASBEAKQFLAQTFEI DHNKRPS ADELMLGSPFL
6323394.y ----lnkkcmkRASLSQGSVEVMSPEVIVG TATTAKADTSLGCTVLEMATG KHPPEDF SOMQATFKIG ----TNTTPEIPISWALTEBCKNFKRKAPEL DYQKPS ABELLQHPFL
19112506.y statktggarRSLSQGSVEVMAPEVVKQ TMTTEKADTSLGCTVLEMATG KHPPEDC TOLQATFKIG ----ENILPEFISWALTEBCKNFKRKAPEL DYNKPS ABELLQHPFL
39973941.y ----iygndkNSMSQGSVEVMAPEVRSQG EGYSAKVDISLGCIVLEMATG RRPNAKE EAVGATFKIA ----NgeippipedVODTISPIAVAFMMLCFIV DSHRPT ANKLLQHPFC
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AK110115.q ----iygnveNMSLSQGSVEVMAPEVWLSK KGYSAKVDISLGCIVLEMATG RRPNSDD EAVGAMFKIG ----AERKAPPIADVKLSQAAHFKLCEV DPAKRPT AORLLQHPFS
6322366.y ----iysnsDMTRCTPEVMAPEVVDI KGYSAKVDISLGCIVLEMATG RRPNSNL EAVGAMFKIG ----KKSAPPPIPEDtIplISQIGRNFLDACEI NPEKRPT ANELLQHPFS
19113917.y vvyddanLSMSQGSVEVMAPEVTHNDH QGYSAKVDISLGCIVLEMATG RRPNSDT EAVGAMFKIG ----TEKKAAPPPIPELVSQVSPALQFLNACFIV NADVRPT ABELLQHPFM
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18425121.p qraDLSLKGTPEVMAPELMOAVMKDSDPD -L-AFAVDISLGCIVLEMATG KPPNSEF EGAAMFKV ----MRDPPPEPESMSPECKDFLRLCFQR NPAERPT ASMLLQHPFL
15222512.p qgcPLSKGTPEVMAPEVILKNSN GS-NLAVDISLGCIVLEMATG KPPNSQY EGVAFMKIG ----NSKELPDPIDHLSPECKDFVVRKCFQR NPAERPT AAQLLQHPFL
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6979318e.q ftsIKSFKGTPEVMAPEVIMNTN GY-SLSVDISLGCIVLEMATG RPPNIQY EGVAAATFKIG ----NSKDPIDPDLHLSPEAKNFKLKLCKLQK DPAARPT AAQLMEHPFL
30695537.p hstMLSFKGTPEVMAPEVMSQN GYTHAVDISLGCIVLEMATG KPPNSQF EGVAAATFKIG ----NSKDTPEIPDHLISNDKRNFKLCKLQK NPAERPT ASQLEHPFL
18404528.p hstMLSFKGTPEVMAPEVMSQN GYTHAVDISLGCIVLEMATG KPPNSQF EGVAAATFKIG ----NSKDTPEIPDHLISNDKRNFKLCKLQK NPAERPT ASQLEHPFL
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39941174.y PASLALPELGL GGG-PQKANVPLGVVVAHMLSGEAKLAVDYTSAAISLGCAGLISCP GsavgMVLPEHVVKLLLEELDFVVRKCFIV KVAQRPG ISKLLQHPFL
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15231214.p keyngRSHMRTTPEVMAPEVLIQG GLL-DRAVDISLGCIVLEMATG KRVNGEYDGL AHDDVVDLIG ----HSDLTPQISIRLSAEAGDFLRLCKLQK EPEQRWT IGVLLQHPFL
15240194.p ltalnyGVQIRRTTPEVMAPEVNDN EY-GSEGDVSLGCTVLEMATG KIPNSLKEGS NPMSLLRIG ----YDDEVPMIPELSEQDFLKLCKLQK DPAKRWT ABELLQHPFL
15229715.p dltalrksVEIRGTPEVMAPEVQVNDN EY-GSAPADVSLGCTVLEMATG KIPNSLKEGS NPMSLLRIG ----VGDELKPIPELSEQDFLKLCKLQK DPAKRWT ABELLQHPFL
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52040011.q gskqPVLGGTPEVMAPEVARG EBOGPAADVSLGCTVLEMATG RAPNSDM DVAALVRIG ----YTDVAVDLPVWLSPEAKDFLRLCKLQK RAGDRPT AAQLLQHPFI
83504660.q sDRPIGCTPEVMAPEVARG EBOGPAADVSLGCTVLEMATG RAPNSDM DVAALVRIG ----YTDVAVDLPVWLSPEAKDFLRLCKLQK RAGDRPT AAQLLQHPFI
83504661.q sAGPIGCTPEVMAPEVARG EBOGPAADVSLGCTVLEMATG RAPNSDM DVAALVRIG ----YTDVAVDLPVWLSPEAKDFLRLCKLQK RAGDRPT AAQLLQHPFI
83504662.q sERPIGCTPEVMAPEVARG EBOGPAADVSLGCTVLEMATG RAPNSDM DVAALVRIG ----YTDVAVDLPVWLSPEAKDFLRLCKLQK RAGDRPT AAQLLQHPFI
83504657.q sERPVSTPEVMAPEVARG EBOGPAADVSLGCTVLEMATG RAPNSDM DVAALVRIG ----YTDVAVDLPVWLSPEAKDFLRLCKLQK RAGDRPT AAQLLQHPFI
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12746438.m tgaGEAQEDDRYMAPELIRG SY-GTAADVFSGLTILEVACN MELPHGG EGWQDRQG ----YLPPEFTAGLSSEIRSVLMMPEP DQOLRAT ABELLQHPFL
34868732.m agaGEAQEDDRYMAPELIRG SY-GTAADVFSGLTILEVACN MELPHGG EGWQDRQG ----YLPPEFTAGLSSEIRSVLMMPEP DQOLRAT ABELLQHPFL
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57420017.q edcnaGVQIRRTTPEVMAPEVAAAG EAQGTADTSLGCTVLEMATG GAPNRFYA DVAALHVA ----HSDVPEPESMSPECKDFLRLCKLQK DPAKRWT ABELLQHPFL
73370011.q aavSRGRTPEVMAPEVARG GAPTASDVSLGCTVLEMATG KIPNSLKEGS NPMSLLRIG ----FGKRPPELPCASQSCDFLRLCKLQK RAGDRPT CDQLLQHPFL
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15220416.p eitEVRRTPEVMAPEVARG EYQ-GKESDIAVGCTVLEMATG SPPWIKADSRDPEVSVLYRVG ----FYNLDFPIVGLSELGRDFLRLCKLQK DPAKRWT CDQLLQHPFL
15225692.y vESPVMTPEVMAPEVARG EYQ-GKESDIAVGCTVLEMATG SPPWIKADSRDPEVSVLYRVG ----FYNLDFPIVGLSELGRDFLRLCKLQK DPAKRWT CDQLLQHPFL
15240456.p neLRFSTPEVMAPEVARG EYQ-SFPADVSLGCTVLEMATG SPPWELN DVAALYKIG ----YSSETPELPCILSEAKDFLRLCKLQK RAGDRPT ABELLQHPFL
15236903.p dLSEFSTPEVMAPEVARG EYQ-SFPADVSLGCTVLEMATG SPPWELN DVAALYKIG ----FSGESPAIPAWISPKAKDFLRLCKLQK DPAKRWT ABELLQHPFL